



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : RKDIS14-LED28FRDMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000617-010  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] RKDIS14-LED28FRDMV40  
 [LUMINAIRE] Catalog Number: RKDIS14-LED28FRDMV40  
 [MORE] 1x4 Retrofit kit installed in Mobern recessed RG14 housing with side bracket mounting rails,  
 [MORE] formed white steel housing with frosted plastic enclosure. 128 LEDs, four Universal  
 [MORE] Lighting Technologies Everline M10CC840D32N2S boards with 32 LEDs each.  
 [MORE] One UNVLT D1055CCUNVTZ-C LED driver output set to 490mA.  
 [MORE] 120.0Vac, 60.0Hz, 0.3334A, 23.45W, 0.993PF, 7.6%THD(i)  
 [OTHER] Absolute test - lamp lumens value set to -1  
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.  
 [MORE] The sample was tested at a distance of 9.5m.  
 [MORE] This IES file was extrapolated from LLIA000617-010  
 [DATE] This file created: Friday, May 26, 2017  
 [ISSUE DATE] Friday, May 26, 2017

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	26.49
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.17 m
Luminous Width (90-270)	0.19 m
Luminous Height	0.00 m

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4898	5336	5921
55	4491	5272	5698
65	4062	4811	4948
75	3531	3992	3886
85	2712	2485	1955

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1316.533	1316.533	1316.533	1316.533	1316.533
0.5	1311.718	1315.781	1319.499	1318.998	1311.718
1.0	1311.525	1315.358	1319.267	1318.863	1311.698
1.5	1311.063	1315.030	1318.747	1318.459	1311.159
2.0	1310.466	1314.587	1318.382	1318.093	1310.851
2.5	1309.849	1313.971	1317.919	1317.438	1310.331
3.0	1309.041	1313.104	1316.841	1316.687	1309.811
3.5	1307.885	1312.238	1315.897	1315.781	1309.079
4.0	1306.980	1311.024	1314.818	1314.780	1308.135
4.5	1305.709	1309.715	1313.586	1313.663	1307.038
5.0	1304.168	1308.501	1312.218	1312.507	1305.882
5.5	1302.454	1306.941	1310.735	1311.005	1304.611
6.0	1300.778	1305.497	1309.233	1309.329	1303.205
6.5	1298.679	1303.686	1307.442	1307.673	1301.799
7.0	1296.734	1301.510	1305.478	1305.959	1299.815
7.5	1294.634	1299.314	1303.320	1303.898	1298.159
8.0	1292.092	1297.234	1301.317	1301.818	1296.098
8.5	1289.511	1294.788	1298.987	1299.449	1294.191
9.0	1286.950	1292.111	1296.464	1297.292	1291.919
9.5	1284.119	1289.531	1293.845	1294.654	1289.338
10.0	1281.153	1286.584	1291.129	1292.015	1286.950
10.5	1278.013	1283.714	1288.048	1289.242	1284.427
11.0	1274.739	1280.479	1285.216	1286.410	1281.287
11.5	1271.311	1277.185	1281.942	1283.175	1278.533
12.0	1268.114	1273.718	1278.707	1280.074	1275.355
12.5	1264.377	1270.175	1275.375	1276.646	1272.158
13.0	1260.237	1266.477	1271.638	1273.160	1268.788
13.5	1256.288	1262.548	1267.960	1269.385	1265.629
14.0	1252.225	1258.754	1264.127	1265.726	1261.739
14.5	1248.007	1254.594	1260.025	1261.700	1257.925
15.0	1243.519	1250.241	1255.845	1257.675	1254.305
15.5	1239.070	1246.004	1251.724	1253.573	1250.106
16.0	1234.313	1241.208	1247.159	1249.182	1245.869
16.5	1229.594	1236.566	1242.575	1244.771	1241.921
17.0	1224.491	1231.867	1238.011	1240.322	1237.472
17.5	1219.425	1226.609	1233.138	1235.700	1232.984
18.0	1214.148	1221.660	1228.285	1230.885	1228.323
18.5	1208.794	1216.382	1223.143	1225.877	1223.566
19.0	1203.267	1210.951	1217.865	1220.754	1218.501
19.5	1197.778	1205.520	1212.569	1215.612	1213.339
20.0	1191.903	1199.973	1207.196	1210.316	1208.332
20.5	1186.164	1194.137	1201.514	1204.788	1203.151
21.0	1180.001	1188.263	1195.948	1199.357	1197.778
21.5	1173.780	1182.196	1190.247	1193.579	1192.500
22.0	1167.559	1175.995	1184.161	1187.743	1186.992
22.5	1161.261	1169.735	1178.229	1182.042	1181.388
23.0	1154.636	1163.361	1172.104	1176.130	1175.764
23.5	1147.972	1156.735	1165.903	1170.082	1170.101
24.0	1141.173	1150.148	1159.451	1163.996	1164.343
24.5	1134.259	1143.330	1152.903	1157.872	1158.565
25.0	1127.133	1136.455	1146.123	1151.362	1152.864
25.5	1120.180	1129.406	1139.575	1144.256	1147.452
26.0	1112.900	1122.337	1132.680	1138.843	1141.770
26.5	1105.620	1114.942	1125.631	1132.564	1135.954

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**CANDELA TABULATION - (Cont.)**

27.0	1097.820	1107.700	1118.601	1126.189	1130.484
27.5	1090.424	1100.170	1111.514	1119.911	1125.015
28.0	1082.605	1092.427	1104.176	1113.517	1119.564
28.5	1075.055	1084.954	1096.972	1107.257	1113.959
29.0	1067.043	1077.077	1089.635	1101.075	1108.702
29.5	1058.819	1068.988	1082.065	1094.796	1103.232
30.0	1050.942	1061.034	1074.477	1088.787	1097.878
30.5	1042.679	1053.099	1066.889	1082.508	1092.562
31.0	1034.013	1044.740	1059.146	1076.326	1087.015
31.5	1025.692	1036.497	1051.385	1070.240	1081.815
32.0	1017.218	1028.293	1043.585	1064.212	1076.480
32.5	1008.436	1019.626	1035.765	1058.029	1071.242
33.0	999.692	1010.997	1028.042	1051.924	1065.964
33.5	990.987	1002.215	1020.146	1045.877	1060.803
34.0	981.877	993.240	1012.037	1039.733	1055.391
34.5	972.882	984.554	1004.334	1033.608	1050.518
35.0	963.907	975.598	996.456	1027.618	1045.337
35.5	954.644	966.411	988.598	1021.436	1040.234
36.0	945.553	957.417	980.875	1015.774	1035.265
36.5	936.289	948.230	972.882	1009.880	1030.276
37.0	926.698	938.928	965.102	1003.833	1024.922
37.5	917.530	929.645	957.455	998.113	1020.069
38.0	908.112	920.323	949.559	992.181	1014.714
38.5	898.502	910.886	941.817	986.249	1009.630
39.0	889.026	901.371	933.901	980.452	1004.256
39.5	879.396	891.838	926.082	974.481	998.941
40.0	869.420	882.092	917.973	968.414	993.201
40.5	860.079	872.482	910.289	962.502	987.558
41.0	850.333	862.891	902.450	956.396	981.703
41.5	840.376	853.087	894.553	950.195	976.118
42.0	830.765	843.111	886.695	943.954	970.109
42.5	820.982	833.423	879.030	937.580	964.235
43.0	810.928	823.447	871.018	931.089	958.187
43.5	801.202	813.547	863.314	924.521	951.966
44.0	791.379	803.571	855.649	917.819	945.746
44.5	781.191	793.691	847.830	911.059	939.005
45.0	771.272	783.656	840.106	904.241	932.264
45.5	761.411	773.584	832.345	897.385	925.388
46.0	751.358	763.472	824.602	890.278	917.800
46.5	741.478	753.592	816.744	883.306	910.000
47.0	731.809	743.519	808.964	876.026	901.641
47.5	721.563	733.350	801.144	868.360	892.859
48.0	711.683	723.316	793.151	860.368	883.556
48.5	701.841	713.301	785.313	851.913	873.753
49.0	691.691	703.093	777.127	843.342	863.757
49.5	681.773	693.117	769.038	834.271	853.453
50.0	672.047	683.294	760.718	824.872	842.938
50.5	662.089	673.087	752.359	815.473	831.786
51.0	652.228	663.245	744.001	806.017	820.770
51.5	642.425	653.307	735.661	795.058	809.849
52.0	632.410	643.157	726.802	783.579	798.544
52.5	622.472	633.296	718.347	772.255	787.181
53.0	612.823	623.666	709.834	761.161	775.914
53.5	602.943	613.690	700.724	749.856	764.069
54.0	593.448	604.041	692.000	738.878	752.148
54.5	583.452	594.199	682.813	727.726	740.072

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**CANDELA TABULATION - (Cont.)**

55.0	573.610	584.454	673.395	716.170	727.746
55.5	564.019	574.978	663.996	704.615	715.805
56.0	554.177	565.444	654.154	692.866	703.536
56.5	544.394	555.699	643.870	680.829	690.671
57.0	534.687	546.339	633.373	668.927	678.036
57.5	525.153	536.786	622.877	656.986	665.017
58.0	515.369	527.137	611.879	644.890	651.766
58.5	505.797	517.854	600.921	632.718	638.477
59.0	496.013	508.494	589.769	620.200	624.687
59.5	486.403	499.153	578.387	607.546	611.032
60.0	476.869	489.869	567.101	594.912	597.377
60.5	467.374	480.663	555.757	581.931	583.664
61.0	457.610	471.399	544.355	568.757	569.681
61.5	448.230	462.232	533.127	555.757	556.258
62.0	438.735	453.392	521.648	542.660	542.930
62.5	429.375	444.224	510.188	529.313	529.756
63.0	420.015	435.365	498.633	516.371	516.756
63.5	410.289	426.332	487.346	503.274	503.871
64.0	400.967	417.222	475.502	490.351	490.948
64.5	391.607	408.286	464.235	477.832	478.352
65.0	382.304	399.388	452.737	465.448	465.602
65.5	372.809	390.297	441.085	452.929	452.910
66.0	363.699	381.226	429.433	440.815	440.353
66.5	354.378	372.135	417.665	428.739	427.950
67.0	345.018	362.813	405.724	416.298	415.007
67.5	335.831	353.916	394.130	404.511	402.719
68.0	326.625	344.690	382.420	392.531	390.451
68.5	317.399	335.580	370.729	380.532	378.086
69.0	308.443	326.528	359.116	368.514	365.741
69.5	299.526	317.149	347.791	356.689	353.607
70.0	290.359	307.596	336.274	344.767	340.896
70.5	281.518	298.120	325.392	333.057	329.109
71.0	272.640	288.510	314.472	321.444	317.053
71.5	263.838	278.938	303.552	309.811	304.957
72.0	254.844	269.404	292.766	298.274	293.055
72.5	246.389	259.755	282.116	286.815	281.364
73.0	237.510	249.971	271.465	275.240	269.192
73.5	228.843	240.611	261.026	264.011	258.002
74.0	220.427	231.231	250.626	252.629	246.504
74.5	211.914	221.814	240.187	241.497	234.929
75.0	203.498	212.415	230.076	230.365	223.951
75.5	195.197	203.401	220.099	219.464	212.800
76.0	186.665	194.118	209.873	208.582	201.726
76.5	178.499	185.105	199.973	197.970	191.075
77.0	170.506	176.187	190.228	187.570	180.713
77.5	162.494	167.193	180.386	176.842	170.275
78.0	154.501	158.276	170.698	166.654	159.990
78.5	146.566	149.474	161.223	156.581	150.091
79.0	138.747	140.827	151.535	146.412	139.864
79.5	131.081	132.584	142.194	136.744	130.426
80.0	123.686	124.437	132.930	127.172	121.143
80.5	115.751	116.213	123.570	117.619	111.802
81.0	108.528	108.278	114.691	108.567	102.885
81.5	101.229	100.478	105.851	99.515	94.141
82.0	93.910	92.735	96.972	90.578	85.513
82.5	86.668	85.359	88.440	81.988	77.212

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**CANDELA TABULATION - (Cont.)**

83.0	79.716	77.867	80.120	73.668	69.104
83.5	72.744	70.625	71.704	65.406	61.246
84.0	66.041	63.499	63.711	57.471	53.465
84.5	59.166	56.527	55.872	49.651	45.896
85.0	52.637	49.574	48.226	41.813	37.942
85.5	46.204	42.968	40.734	34.224	31.066
86.0	39.713	36.459	33.435	27.002	24.171
86.5	33.358	30.218	25.943	20.126	17.661
87.0	26.925	24.036	19.125	14.156	12.750
87.5	20.993	18.123	12.750	10.015	9.495
88.0	15.523	12.403	7.819	6.895	6.741
88.5	10.535	7.126	4.699	4.468	4.276
89.0	5.990	2.947	2.427	2.061	1.868
89.5	1.618	0.770	0.481	0.366	0.462
90.0	0.193	0.096	0.077	0.270	0.096
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS14-LED28FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS14-LED28FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS14-LED28FRDMV40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	477.64	N.A.	13.30
0-30	1004.45	N.A.	28.00
0-40	1631.16	N.A.	45.40
0-60	2868.17	N.A.	79.90
0-80	3534.62	N.A.	98.40
0-90	3590.27	N.A.	100.00
10-90	3465.94	N.A.	96.50
20-40	1153.53	N.A.	32.10
20-50	1805.00	N.A.	50.30
40-70	1668.08	N.A.	46.50
60-80	666.45	N.A.	18.60
70-80	235.38	N.A.	6.60
80-90	55.65	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3590.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	124.33
10-20	353.30
20-30	526.81
30-40	626.71
40-50	651.48
50-60	585.53
60-70	431.07
70-80	235.38
80-90	55.65
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

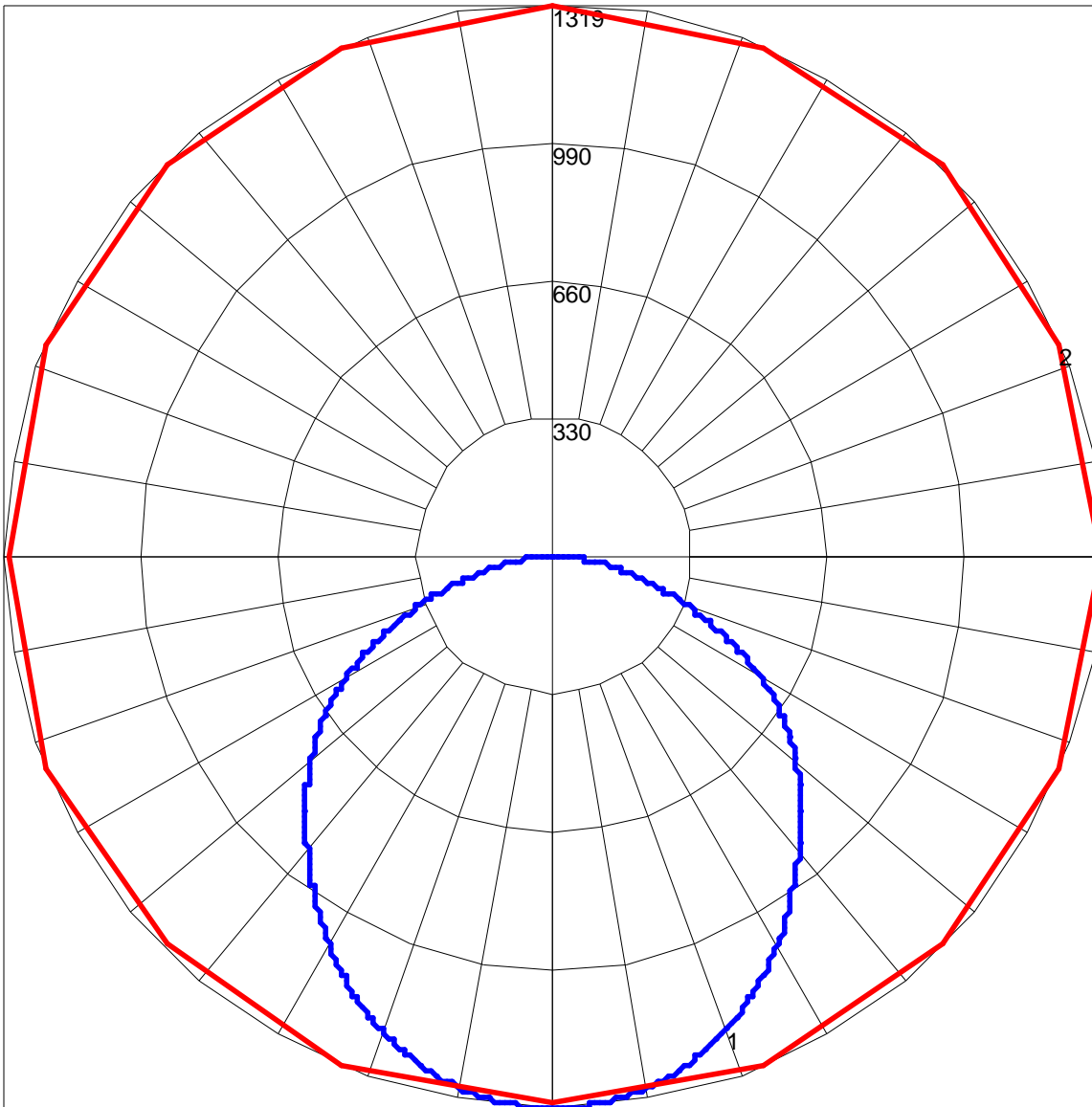
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS14-LED28FRDMV40.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25

POLAR GRAPH



Maximum Candela = 1319.499 Located At Horizontal Angle = 45, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)